

Application of a short procedure for isolating low-density lipoprotein. *Clin. Chem.* **38**, 2066-2072 (1992)). LDL (50 µg/ml), with or without additional apolipoproteins or BSA, was oxidized using 10 µM CuSO<sub>4</sub> at 30°C in a quartz cuvette and absorbance readings at 234 nm were taken every 5 min.

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#### SEQUENCE LISTING

-- (1) GENERAL INFORMATION:

10 - (iii) NUMBER OF SEQUENCES: 13

-- (2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

15 (B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 1:

- MetPheLeuLysAlaValValLeuThrValAlaLeuValAlaIleThr

20 - GlyThrGlnAlaGluValThrSerAspGlnValAlaAsnVal

-- (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: amino acid

(C) STRANDEDNESS:

5 (D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 2:

- MetTrpAspTyrPheThrGlnLeuSerAsnAsnAlaLysGluAlaVal

- GluGlnLeuGlnLysThrAspValThrGlnGlnLeuAsnThrLeuPhe

- GlnAspLysLeuGlyAsnIleAsnThrTyrAlaAspAspLeuGlnAsn

10 - LysLeuValProPheAlaValGlnLeuSerGlyHisLeuThrLysGlu

- ThrGluArgValArgGluGluIleGlnLysGluLeuGluAspLeuArg

- AlaMetValIle;

- - (2) INFORMATION FOR SEQ ID NO:3:

15 - (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

20 - (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 3:

- MetLeuProHisAlaAsnLysValSerGln

-- (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 14

(B) TYPE: amino acid

5 (C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 4:

- MetPheGlyAspAsnValGlnLysLeuGlnGluHisLeuArgProTyr

- AlaThrAspLeuGlnAlaGlnIleAsnAlaGlnThrGlnAsp

10

-- (2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 9

(B) TYPE: amino acid

15 (C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 5:

- MetLysArgGlnLeuThrProTyrIleGlnArg

20 -- (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 16

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 6:

5 - MetGlnThrThrIleGlnAsnValGluAsnLeuGlnSerSer

- - (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

10 (B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 7:

- MetValProPheAlaAsnGluLeuLysGluLysPheAsnGlnAsn

15

- - (2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: amino acid

20 (C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 8:

- MetGluGlyLeuLysGlyGlnLeuThrProArgAlaAsnGluLeuLys
- AlaThrIleAspGlnAsnLeuGluAspLeuArgSerArgLeuAlaPro
- LeuAlaGluGlyValGlnGluLysLeuAsnIleHisGln

5    - (2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 18

(B) TYPE: amino acid

(C) STRANDEDNESS:

10    (D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 9:

- MetGluGlyLeuAlaPheGln

- (2) INFORMATION FOR SEQ ID NO:10:

15    - (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

20    - (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 10:

- MetLysLysAsnAlaGluGluLeuHisThrLysValSerThrAsnIle

- AspGlnLeuGlnLysAsnLeuAlaProLeuValGluAspValGlnSer

- LysLeuLysGlyAsnThrGluGlyLeuGlnLysSerLeuGluAspLeu
- AsnLysGlnLeuAspGlnGlnValGluValPheArgArgAlaValGlu
- ProLeuGlyAspLysPheAsn

5 - - (2) INFORMATION FOR SEQ ID NO: 11:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20

(B) TYPE: amino acid

(C) STRANDEDNESS:

10 (D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 11:

- MetAlaLeuValGlnGln

- - (2) INFORMATION FOR SEQ ID NO: 12:

15 - (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

20 - (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 12:

- MetGluLysPheArgGlnGlnLeuGlySerAspSerGlyAspValGlu

- SerHisLeuSerPheLeuGluLysAsnLeuArgGluLysValSerSer

- Phe

-- (2) INFORMATION FOR SEQ ID NO: 13:

- (i) SEQUENCE CHARACTERISTICS:

5 (A) LENGTH: 20

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 13:

10 - MetSerThrLeuGlnLysLysGlySerProAspGlnProLeuAlaLeu

- ProLeuProGluGlnValGlnGluGlnValGlnGluGlnValGlnPro

- LysProLeuGluSer

-- (2) INFORMATION FOR SEQ ID NO: 14:

15

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19

(B) TYPE: amino acid

(C) STRANDEDNESS:

20 (D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 14:

-- (2) INFORMATION FOR SEQ ID NO:15:

- (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 5

5 (B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: linear

- (xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 15:

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